

**Bukti jumlah Jejak Karbon Fakultas anda selama 12 bulan terakhir 2023 (dalam metrik ton)**

**Option 2: Recommended by UI GreenMetric**

**CO<sub>2</sub> (electricity)**

$$\begin{aligned} & 784,353 \text{ (kWh)} \\ = & \frac{784,353}{1000} \times 0,84 \\ = & 0,65885 \text{ metric tons} \end{aligned}$$

**CO<sub>2</sub> (bus)**

$$\begin{aligned} & \text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \\ = & \frac{0}{100} \times 0,01 \\ = & 0 \text{ metric tons} \end{aligned}$$

**CO<sub>2</sub> (cars)**

$$\begin{aligned} & \text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \\ = & \frac{36000 \times 2 \times 5 \times 240}{100} \times 0,02 \\ = & 17.280 \text{ metric tons} \end{aligned}$$

**CO<sub>2</sub> (motorcycle)**

$$\begin{aligned} & \text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \\ = & \frac{48000}{100} \times 0,01 \\ = & 4,8 \text{ metric tons} \end{aligned}$$

**CO<sub>2</sub> (total)**

$$\begin{aligned} & = 0,65885 + 0 + 17280 + 4,8 \\ & = 17.285,4 \text{ metric tons} \end{aligned}$$

**Carbon footprint in 2023 = 17.285,4 metric tons**

**Total Carbon Footprint (FHUI GreenMetric)**

**Deskripsi:**

Total Karbon kampus FHUI dihitung dari konsumsi listrik selama 1 tahun terakhir dan ditambah dengan jumlah kendaraan bermotor yang memasuki kampus. Maka berdasarkan penghitungan manual sumber carbon footprint FHUI tahun 2023 maka total jejak CO<sub>2</sub> adalah 17.285,4 metric tons